

Rabbit POLH Polyclonal Antibody | anti-POLH antibody

POLH Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37248	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

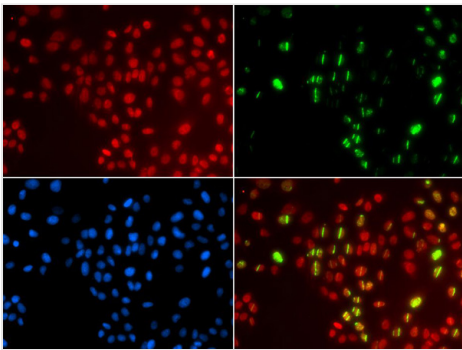
PRODUCT SYNONYMS

POLH; Polyclonal Antibody; POLH Polyclonal Antibody; FLJ16395; FLJ21978; RAD30; RAD30A; XP-V; XPV; anti-POLH antibody

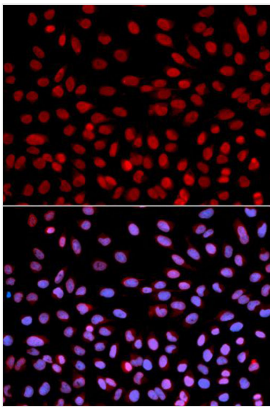
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	713
Applicable Applications for anti-POLH antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human POLH
Calculated Molecular Weight	78kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

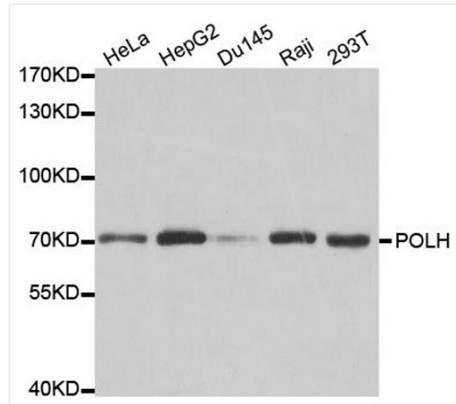
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using POLH antibody. Green:GFP-RNF168 fusion protein expression for DNA damage marker.Blue: DAPI for nuclear staining.RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using POLH antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using POLH antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-POLH antibody	This gene encodes a member of the Y family of specialized DNA polymerases. It copies undamaged DNA with a lower fidelity than other DNA-directed polymerases. However, it accurately replicates UV-damaged DNA; when thymine dimers are present, this polymerase inserts the complementary nucleotides in the newly synthesized DNA, thereby bypassing the lesion and suppressing the mutagenic effect of UV-induced DNA damage. This polymerase is thought to be involved in hypermutation during immunoglobulin class switch recombination. Mutations in this gene result in XPV, a variant type of xeroderma pigmentosum. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-POLH antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	59798441
NCBI GeneID	5429
UniProt Accession #	Q9Y253; Q7L8E3; Q96BC4; Q9BX13
Molecular Weight	713
NCBI Official Full Name	DNA polymerase eta
NCBI Official Synonym Full Names	polymerase (DNA directed), eta

NCBI Official Symbol	POLH
NCBI Official Synonym Symbols	XPV; XP-V; RAD30; RAD30A
NCBI Protein Information	DNA polymerase eta; RAD30 homolog A; xeroderma pigmentosum variant type protein
UniProt Protein Name	DNA polymerase eta
UniProt Gene Name	POLH
UniProt Synonym Gene Names	RAD30; RAD30A; XPV
UniProt Entry Name	POLH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/polh-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37248>